DOCKET NO.: LUTR-0204 **Application No.:** 10/681,062

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This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

- 1. (Original) A wireless lighting control system, wherein all wireless transmissions are on the same Radio Frequency (RF), the system comprising:
 - a first lighting control subnet operatively connected to a first lighting device;
- a second lighting control subnet operatively connected to a second lighting device; and
- a bridge in wireless and operative communications with the first and second lighting control subnets and the first and second lighting control devices, wherein said bridge transmits a link claim to the first and second lighting control subnets after waiting for a backoff time after the RF signal has ended, transmits a command to the first lighting control subnet with respect to the first lighting device, assigns a random wait time to said first lighting control subnet, and assigns a maximum random wait time to said second lighting control subnet, and receives an acknowledgement from said first lighting control subnet.
- 2. (Original) The system of claim 1, wherein the bridge receives a RF signal from said first lighting control subnet.
- 3. (Original) The system of claim 2, wherein the RF signal comprises a lighting scene identifier associated with a lighting scene stored in the bridge.
- 4. **(Original)** The system of claim 3, wherein the RF signal comprises a lighting command associated with a lighting scene, and wherein the bridge determines the lighting scene associated with the lighting command.
- 5. (Original) The system of claim 3, wherein the RF signal is responsive to a button press on a master control in said first lighting control subnet.

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6. (Original) The system of claim 1, wherein said bridge further comprises a display, wherein said display indicates a status of the first and second lighting devices according to

the command.

7. (Original) The system of claim 6, wherein the display is a LCD screen.

8. (Original) The system of claim 6, wherein the display is a LED display.

9. (Original) The system of claim 1, wherein said first lighting control subnet

comprises a master control.

10. (Original) The system of claim 9, wherein said master control comprises an

indicator, wherein said indicator displays a status of the first lighting device according to the

command.

11. (Original) The system of claim 10, wherein the indicator is a LED display.

12. (Original) The system of claim 10, wherein the indicator is a LCD screen.

13. (Original) The system of claim 1, wherein said first lighting control subnet

comprises a lighting control device.

14. (Original) The system of claim 13, wherein the lighting control device is a dimmer.

15. (Original) The system of claim 1, wherein the bridge further transmits a second link

claim to said first and second lighting control subnets, transmits a second command to said

first lighting control subnet with respect to the first lighting device, assigns a second random

wait time to said first lighting control subnet, and assigns a second maximum random wait

time to said second lighting control subnet, and receives a second acknowledgement from

said first lighting control subnet.

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subnet.

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16. (Original) The system of claim 1, wherein the bridge further transmits a second link claim to said first and second lighting control subnets, transmits a third link claim to said first lighting control subnet, transmits a second command to said second lighting control subnet with respect to the second lighting device, assigns a second random wait time to said second lighting control subnet, and assigns a second maximum random wait time to said first lighting control subnet, and receives a second acknowledgement from said second lighting control

- 17. **(Original)** The system of claim 1, wherein the bridge is operatively connected to an external device.
- 18. (Original) The system of claim 17, wherein the bridge is operatively connected to the external device by way of an RS-232 connection.
- 19. (Original) The system of claim 17, wherein the bridge receives time information from the external device, determines when a sunrise and sunset time will occur based on a location of the bridge, and transmits the link claim relative to the sunrise and sunset times.
- 20. (Original) The system of claim 17, wherein the bridge receives time information from the external device and transmits the link claim in response to received time information.
- 21. (Original) The system of claim 17, wherein the bridge transmits the link claim in response to an alarm received from the external device.
- 22. (Original) A method for operatively interconnecting a first and second lighting control subnet, wherein each subnet operates at the same RF, comprising:
- (a) transmitting a link claim to the first and second lighting control subnets from a bridge, wherein the link claim directs the first and second lighting control subnets to wait for a lighting control command;
 - (b) transmitting the lighting control command to the first lighting control subnet; Page 4 of 9

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(c) assigning a random wait time to the first lighting control subnet;

- (d) assigning a maximum random wait time to the second lighting control subnet; and
- (e) receiving an acknowledgement from the first lighting control subnet.
- 23. (**Original**) The method of claim 22, further comprising executing step (a) in response to a button press on the bridge.
- 24. **(Original)** The method of claim 22, further comprising executing step (a) in response to receiving a RF signal transmitted by a master control of the first lighting control subnet.
- 25. (Original) The method of claim 24, further comprising waiting for a random backoff time before executing step (a).
- 26. (**Original**) The method of claim 24, wherein the RF signal is transmitted by the master control in response to a button press.
- 27. (**Original**) The method of claim 24, wherein the RF signal comprises a lighting scene identifier associated with a phantom button stored on the bridge.
- 28. (Original) The method of claim 24, wherein the RF signal comprises a second lighting control command associated with a lighting scene.
- 29. **(Original)** The method of claim 28, further comprising determining a phantom button associated with the lighting scene according to the lighting control command.
- 30. (Original) The method of claim 22, further comprising repeating steps (a)-(d).
- 31. (**Original**) The method of claim 22, further comprising displaying, on the bridge, a status of each subnet according to the acknowledgement.

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32. (Original) The method of claim 31, wherein displaying a status comprises illuminating a LED.

- 33. (Original) The method of claim 22, further comprising:
 - (f) transmitting a second link claim to the first and second lighting control subnets;
 - (g) transmitting a second lighting control command to the first lighting control subnet;
 - (h) assigning a second random wait time to the first lighting control subnet;
- (i) assigning a second maximum random wait time to the second lighting control subnet; and
 - (j) receiving a second acknowledgement from the first lighting control subnet.
- 34. (Original) The method of claim 22, further comprising:
 - (f) transmitting a second link claim to the first and second lighting control subnets;
 - (g) transmitting a third link claim to the first lighting control subnet;
- (h) transmitting a second lighting control command to the second lighting control subnet;
 - (i) assigning a second random wait time to the second lighting control subnet;
- (j) assigning a second maximum random wait time to the first lighting control subnet; and
 - (k) receiving a second acknowledgement from the second lighting control subnet.
- 35. (Original) The method of claim 22, further comprising receiving time information; determining, based on stored information and the received time information, a sunset and sunrise time; and executing step (a) in response to said determination.
- 36. (Original) The system of claim 22, further comprising receiving time information and executing step (a) in response to said time information.
- 37. (Original) The method of claim 22, further comprising executing step (a) in response to an alarm condition received by the bridge.

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- 38. (Withdrawn) A bridge, comprising:
 - a display device for presenting information to a user;
 - a memory for storing information;
- a transmitter for transmitting messages to a first and second subnet on a predetermined RF;
- a receiver for receiving messages from the first and second subnet on the predetermined RF;

an Input/Output device for receiving or sending information; and

a processor, wherein said processor is operatively connected to said memory, transmitter, receiver, display device and Input/Output device, and wherein said processor transmits a link claim to the first and second subnets, a first command and random wait time to the first subnet, and a maximum random wait time to the second subnet by way of said transmitter, and receives an acknowledgement from the first subnet by way of said receiver.

- 39. (Withdrawn) The bridge of claim 38, wherein the processor transmits the link claim in response to receiving a signal from a master control in the first subnet by way of the receiver.
- 40. **(Withdrawn)** The bridge of claim 38, wherein the display device presents status information regarding the first and second subnet.
- 41. (Withdrawn) The bridge of claim 38, wherein the display device is a LCD screen.
- 42. (Withdrawn) The bridge of claim 38, wherein the display device is a LED display.
- 43. (Withdrawn) The bridge of claim 38, wherein the RF is one of: 390 MHz, 418 MHz or 434 MHz.
- 44. (Withdrawn) The bridge of claim 38, wherein the Input/Output is a RS-232 connection.

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45. **(Withdrawn)** The bridge of claim 38, wherein the Input/Output is adapted to receive an alarm signal and the processor is adapted to send the link claim in response to the alarm signal.

- 46. **(Withdrawn)** The bridge of claim 38, wherein the processor further transmits, by way of the transmitter, a command to the lighting control device on the predetermined RF.
- 47. **(Withdrawn)** The bridge of claim 38, wherein the first subnet comprises a first master control and a first lighting control device, and the second subnet comprises a second master control and a second lighting control device.
- 48. **(Withdrawn)** The bridge of claim 38, wherein the processor further transmits a second link claim to the first and second subnets, a second command and second random wait time to the first subnet, and a second maximum random wait time to the second subnet by way of said transmitter, and receives a second acknowledgement from the first subnet by way of said receiver.
- 49. **(Withdrawn)** The bridge of claim 38, wherein the processor further transmits a second link claim to the first and second subnets, a third link claim to the first subnet, a second command and second random wait time to the second subnet, and a second maximum random wait time to the first subnet by way of said transmitter, and receives a second acknowledgement from the second subnet by way of said receiver.